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PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under  
37 CFR 1.53(b))

Attorney Docket No.	66638-43856
First Inventor	WEAVER, Thomas L.
Title	APPARATUS AND METHOD FOR MONITORING ELECTRICAL CABLE CHAFING VIA OPTICAL WAVEGUIDES
Express Mail Label No.	EV386358665US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent  
application contents.

**ADDRESS TO:**

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
2. ☒ Specification [Total Pages No. 28 ]  
(preferred arrangement set forth below)  
☒ Descriptive title of the invention  
☐ Cross Reference to Related Applications  
☒ Statement Regarding Fed sponsored R & D  
☐ Reference to sequence listing, a table,  
or a computer program listing appendix  
☒ Background of the Invention  
☒ Brief Summary of the Invention  
☒ Brief Description of the Drawings (if filed)  
☒ Detailed Description  
☒ Claim(s)  
☒ Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets No. 2 ]
4. Oath or Declaration [Total Pages No. 2 ]  
a. ☒ Newly executed (original or copy)  
b. ☐ Unexecuted  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

5. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
14. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
15. ☒ Certificate of Express Mailing
16. ☒ Other: Checks for \$770 and \$40 for filing fees

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is  
supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby  
incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted  
application parts.

**18. CORRESPONDENCE ADDRESS**

<input type="checkbox"/>	Customer Number or Bar Code Label		or <input checked="" type="checkbox"/>	Correspondence address below
		21888		
		PATENT TRADEMARK OFFICE		

Name	Clyde L. Smith	Registration No. (Attorney/Agent)	46,292
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should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: ASSISTANT  
COMMISSIONER for Patents, Box Patent Application, Washington, DC 20231.

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## PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

66638-43856

## CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

## SMALL ENTITY

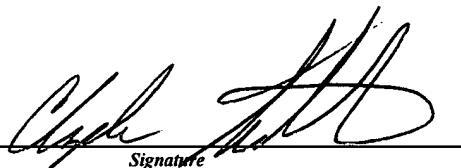
OR

OTHER THAN  
SMALL ENTITY

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE		RATE	FEE
BASIC FEE (37 CFR 1.16(a))				\$ 0	OR		\$ 770.00
TOTAL CLAIMS (37 CFR 1.16(c))	20 minus 20 =	* 0	x \$	=	OR	x \$	18.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3 minus 3 =	* 0	x \$	= 0.00	OR	x \$	86.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))			+	= 0.00	OR	+	0.00= 0.00
* If the difference in column 1 is less than zero, enter "0" in column 2			TOTAL		OR	TOTAL	\$ 770.00

☒ A check in the amount of \$770.00 is attached.☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-0823 as described below. A duplicate copy of this sheet is enclosed.

- ☐ Charge the amount of \_\_\_\_\_ for the patent filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.



Signature

Dated: February 25, 2004

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I certify that the document and fee is being deposited on February 25, 2004 with the U.S. Postal Service as Express Mail under 37 CFR 1.10 and is addressed to the Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail No. EV386358665US



Signature of Person Mailing Correspondence

Clyde L. Smith

Typed or Printed Name of Person Mailing Correspondence